

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2007/0252804 A1 Engel et al.

(43) **Pub. Date:**

Nov. 1, 2007

(54) DISPLAY CONTROL SYSTEM

(76) Inventors: **Gabriel Damon Engel**, Hamilton (NZ); David John Ferguson, Cambridge (NZ); Harnish John Ogilvie MacLeod, Auckland (NZ); Bruce David Seymour, Plainville, CT (US)

> Correspondence Address: Blakely Sokoloff Taylor & Zafman 7th Floor 12400 Wilshire Boulevard Los Angeles, CA 90025 (US)

(21) Appl. No.: 10/557,157

(22) PCT Filed: May 17, 2004

(86) PCT No.: PCT/NZ04/00092

§ 371(c)(1),

(2), (4) Date: Mar. 5, 2007

Foreign Application Priority Data (30)

May 16, 2003 (NZ)...... 525956

Publication Classification

(51) Int. Cl. G09G 3/36 (2006.01)

(52)

(57)**ABSTRACT**

A display control system for a multi-layer display system including at least one multi-layer display unit (6). A multilayer display unit includes multiple stacked or overlapped display layers (1a, 1b, 1c, 14, 15) each adapted to render display elements (2, 16B, 17B, 18B) thereon for viewing through the uppermost display layer. The level of difficulty for a user to view an overlapped image differs depending on the colour, brightness or type of images (for example texton-text) being displayed and also the layer in which the image is being displayed and whether the image is currently active. At least any overlapping portion of display elements from different display layers are adjusted (automatically or by a user) in order to improve the viewing experience for a viewer. Types of adjustment possible include moving the images within their display layer or to an alternative display layer or altering their visual properties (such as colour, brightness, contrast etc).

